

CLAIMS:

1. A radio communication system comprising: a radio unit connected to a transmitter-receiver antenna; and a control unit which compares either or both of field intensity level and circuit quality measured by the radio unit with thresholds, and gives a handover instruction to the radio unit if the measured field intensity level or the measured circuit quality is lower than the corresponding threshold, and lowers the threshold when a handover operation carried out in response to the handover instruction is unsuccessfully executed.

2. The radio communication system according to claim 1 further comprising a selecting unit which selects either a procedure to change conditions for handover when a handover operation is unsuccessful, or a procedure to keep conditions for handover unchanged even if a handover operation is unsuccessfully executed.

3. The radio communication system according to claim 1, wherein time when the next handover operation can be started is changed according as a handover operation is unsuccessfully performed.

4. The radio communication system according to claim 1, wherein either or both of time when the next handover operation can be started and the thresholds to be compared with field intensity level and circuit quality measured by the radio unit are changed when a handover operation is unsuccessfully done.

5. The radio communication system according to claim 1, wherein either or both of time when the next

handover operation can be started and the thresholds to be compared with field intensity level and circuit quality measured by the radio unit are changed when a handover operation is successfully executed.

5 6. A radio communication system comprising: a radio unit connected to a transmitter-receiver antenna; a control unit which compares either or both of field intensity level and circuit quality measured by the radio unit with thresholds, gives a handover instruction to the radio unit
10 if the measured field intensity level or the measured circuit quality is not higher than the corresponding threshold, and lowers the threshold when a handover operation carried out in response to the handover instruction is unsuccessfully executed; and a handover
15 executing means capable of forcibly executing handover regardless of either or both of the field intensity level and the circuit quality.

20 7. A radio communication system comprising: a radio unit connected to a transmitter-receiver antenna, a control unit which compares either or both of field intensity level and circuit quality measured by the radio unit with thresholds, gives a handover instruction to the radio unit
25 if the measured field intensity level or the measured circuit quality is not higher than the corresponding threshold, and lowers the threshold if a handover operation carried out in response to the handover instruction is unsuccessful; and a handover inhibiting means capable of inhibiting the execution of handover regardless of either or both of the field intensity level and the circuit
30 quality.

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